ABSTRACT

An escape ladder system provided at a floor lever failing the reach by an aerial ladder truck is essentially comprised of an alarm to sense a fire hazard and sends warning signals, a receiver to receive fire alarm signals, a box placed by a balcony in a building tower to accommodate the receiver and other components, a driver activated by the receiver, a main shaft linked to the driver and a ladder coiling around the main shaft; the ladder being normally placed in the box; a fire being detected; the alarm being activated to transmit warning signals to the receiver; the power source being activated by the receiver; the main shaft being activated to turn around by a gear set; the escape ladder descending down along the external wall of the building down to the ground or a specific floor where is closer to the ground for people to soonest escape from the site on fire.